

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

DR-658

Effective Date: December 1, 2013

Reevaluation Date: **December 2017**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

6'-8" Opaque Steel Therma-Tru Entry Doors (Profiles Series), Inswing/Outswing, Impact Resistant Door Panels, Doubles with and without Non-Impact Resistant Sidelites, manufactured by

AFCO Industries, Inc.
11000 Green Valley Drive
Olive Branch, MS 38654
Telephone: 800.238.0183

General Description:

System	Description	Label Rating	Drawing No.
1	6'-0" x 6'-8" Opaque Steel Therma-Tru Double Door, Inswing/Outswing; (XX)	Inswing +50/-55 psf Outswing \pm 50 psf	TX-4306
2	6'-0" x 6'-8" Opaque Steel Therma-Tru Double Door w/ Boxed Sidelites, Inswing/Outswing; (OXXO)	Inswing +50/-55 psf Outswing \pm 50 psf	TX-4306

Component Dimensions:

System	Overall Size	Panel Size	Sidelite Panel Size	Daylight Opening Size
1	Inswing: 74 $\frac{5}{8}$ " x 82 $\frac{1}{8}$ "	36" x 79 $\frac{1}{4}$ "	NA	N/A
2	Outswing: 74 $\frac{5}{8}$ " x 81 $\frac{3}{16}$ "	36" x 79 $\frac{1}{4}$ "	14" x 79 $\frac{1}{4}$ "	6" x 63"

Component Dimensions:

System	Component	Quantity	Attachment Method
1, 2	4" Butt Hinges	3	Hardware shall be installed in accordance with AFCO Ind., drawings TX-4306, dated February 18, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on November 11, 2013.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Schlage "F" Series (F10) lockset and	1	
	Schlage "B" Series (B60/62) deadbolt	1	

Product Identification (Certification Agency Label on Door):

System		
1-2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	AFCO Industries, Inc., Olive Branch, MS
	Product Name	Opaque Steel Double Doors
	Test Standards	ASTM E330-02; ASTM E1886-05 & ASTM E1996-06

Impact Resistance:

Component	Impact Resistant	Requirement
Opaque Doors	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Impact Resistance:

Component	Impact Resistant	Requirement
Sidelite	No	Impact protective system required when product is installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Door and Sidelite assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

Installation:

Installation		System		
1, 2	Type of Installation	Door Frame		
	Wall Framing	Wood ($G \geq 0.42$) or Concrete (minimum 3,000 psi)		
	Fasteners	Wood: Minimum No. 10 x 2 1/2" PFH wood screw Concrete: 1/4" Elco or ITW concrete screw		
	Fastener Embedment	Wood: Minimum of 1.15 inches into the wood framing (head/jamb) and 1 1/2 inches (sill). Concrete: Minimum of 1 3/4 inches into the concrete.		
	Fastener Location/Spacing	Head	The doors shall be installed and anchored in accordance AF&CO Ind. drawings TX-4306, dated February 18, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on November 11, 2013.	
		Sill		
		Side Jamb		
Hinges				

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) the International Building Code (IBC), and the Texas Revisions.